Final year B. pharm sem VII oct 2009 Biophar and pharmacokinetic

P4-Exam.-Oct-09-133

Con. 4802-09.

DY-5135

COII	1. 4002-05.		D1-310	,,,
	(2	2 Hours)	[Total Marks : 3	35
N.B.	(2) Answer any four of the remaining	g six questions.		
1.	List the different mechanisms by which dosage form related factors that affect		escribe any four	7
2.	Discuss with examples drug binding to plasma proteins. Also describe in brief binding and its impact on the volume of distribution.			7
3.	(a) Describe in two or three sentence (i) Non linear kinetics (ii) Bioequivalence (iii) Dissolution Rate limited about			6
	(b) An intravenous dose is necessary True or False. Explain.	/ for determination of absolut	te bioavailability.	1
4.	(a) Discuss the various theories of dr(b) Describe the assumptions of a one			5
5.	Write notes on (any two):- (a) Hepatic extraction ratio (b) IVIVC (c) Renal clearance (d) Measurement of relative bioa	vailability.		7
6.	An intranvenous bolus dose [125 mg] gave an extrapolated concentration at 0.82 hr ⁻¹ . (a) Calculate the half life and vo (b) How much drug will be eliminated (c) How much drug will be presented.	zero time of 25 microgram/L a lume of distribution nated in 2.5 hours		7
7.	Write notes on (any two) :-			7

(a) Multicompartment models(b) Sigma Minus Method

(c) Official dissolution apparatus as per IP.